

## WHEAT QUALITY

Kansas Department of Agriculture U.S. Department of Agriculture P.O. Box 3534 Topeka, Kansas 66601-3534

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## SPECIAL PRESS RELEASE

## TEST WEIGHT AND PROTEIN REMAIN ABOVE LAST YEAR

Preliminary data from 9,196 carlot samples from 62 counties show an average test weight of 61.0 pounds per bushel, according to Kansas Agricultural Statistics Service and the Kansas Grain Inspection Service Inc. For comparison purposes, last year's crop averaged 59.9 pounds, while the 10-year average from 1990-1999 is 60.1 pounds per bushel.

Protein is averaging 12.2 percent, compared with 11.9 percent for 2000 and the 10-year average of 12.1 percent. Moisture content is averaging 11.8 percent, and compares with 11.8 percent last year and the average of 11.7 percent.

Samples of wheat grading No. 1, at 69 percent, are above the 39 percent of last year. Twenty-nine percent graded No. 2, compared with 52 percent in 2000. Only 2 percent graded No. 3 or below. Average dockage for all samples is 0.8 percent, up from 0.6 percent in 2000. Seventy-one percent of all samples graded had from 0.1 to 0.9 percent dockage, compared to 89 percent last year.

This is the seventh and last in a series of wheat quality releases to be made during the 2001 wheat harvest. Test weight, protein content, grade and defect determinations are made by the Kansas Grain Inspection Service Inc. The data are summarized by Kansas Agricultural Statistics Service, and collection and publication is funded by the Kansas Wheat Commission. Additional data on milling quality, available through the cooperation of the Kansas State University Department of Grain Science and Industry, will be published in the 2001 Wheat Quality Bulletin.

KANSAS WHEAT QUALITY DATA, Week Ending August 4, 2001

|       | 10/11  | OAO II  | 116/  | Q O A L I  | 1 1 <i>DF</i>  | · · / · · ,   | TTCCK E  |  | Augu  | Jt <del>-1</del> , <b>-</b> 0  | <u> </u>  |                 |      |
|-------|--|---|---|--|--|---|--|--|---|--|---|-----------------|------|
|       | Samples  | Test  | Protein   | Moieture   | Grade  |   |  | Dockage  |   |  |   | Average Dockage |      |
| Vear  |  |   |   |  |  |   | All Other  |  |   |  | Over  | of Samples      |      |
| i cai |  | Weight  | <u>2</u> /  | Worsture   | 1  | 2   |  | Zero %   | 0.1-0.4%  | 0.5-0.9%   |   |                 | All  |
|       | <u> </u>   | 11.   | D   |  |  |   |  |  |   |  | 0.070   |                 |      |
| 2004  | 4 470  |   |   |  | 20   |   |  |  | •   |  | 40  |                 |      |
|       |  |   |   |  |  |   |  | _  |   |  |   |                 | 0.9  |
|       | 1,270  |   |   |  | 5  | 49  | 46   | 0  | /   | 73   | 20  | 1.1             | 0.7  |
|       |  |   |   |  |  |   |  |  |   |  |   |                 |      |
|       |  |   |   |  |  |   |  |  |   |  |   |                 | 0.9  |
|       | 2,244  |   |   |  | 34   | 63  | 3  | 0  | 11  | 74   | 15  | 1.1             | 0.7  |
| 9 AVG |  |   | 11.9  |  |  |   |  |  |   |  |   |                 |      |
| 2001  | 1,107  | 61.8  | 12.9  | 11.0   | 86   | 13  | 1  | 0  | 17  | 62   | 21  | 1.2             | 0.6  |
| 2000  | 4,530  | 59.6  | 12.8  | 11.3   | 25   | 71  | 4  | 0  | 9   | 74   | 17  | 1.2             | 0.7  |
| 9 AVG |  | 60.5  | 12.3  | 11.2   |  |   |  |  |   |  |   |                 |      |
|       | 2.281  |   |   |  | 71   | 26  | 3  | 0  | 28  | 56   | 16  | 1.6             | 0.8  |
|       |  |   |   |  |  |   |  |  |   |  |   |                 | 0.5  |
|       | 2,122  |   |   |  |  | -   | -  | •  |   |  | _   |                 |      |
|       | 1 346  |   |   |  | 78   | 21  | 1  | 0  | 21  | 50   | 29  | 1.3             | 0.8  |
|       |  |   |   |  |  |   |  |  |   |  |   |                 | 0.5  |
|       | 1,002  |   |   |  | 00   |   | ·  | Ū  |   | 00   |   | •••             | 0.0  |
|       | 1 235  |   |   |  | 79   | 10  | 2  | 0  | 21  | 46   | 33  | 1 4             | 0.7  |
|       |  |   |   |  |  |   |  |  |   |  |   |                 | 0.7  |
|       | 1,040  |   |   |  | 31   | 33  |  | U  | 51  | 70   | 3   | 1.0             | 0.4  |
|       | 1  |   |   |  | 100  | 0   | 0  | 0  | 100   | 0  | 0   | 0.0             | 0.4  |
|       |  |   |   |  |  |   |  |  |   |  | _   |                 |      |
|       | 100  |   |   |  | 88   | 12  | U  | U  | 00  | 22   | 10  | 1.4             | 0.5  |
|       | 0.4  |   |   |  | 40   |   |  |  | 0.1   |  |   | 4.4             |      |
|       |  |   |   |  |  |   |  |  |   |  |   |                 | 0.4  |
|       | 53   |   |   |  | 99   | 1   | 0  | 0  | 86  | 14   | 0   | 0.0             | 0.4  |
|       |  |   |   |  |  |   |  |  |   |  |   |                 |      |
|       |  |   |   |  |  |   |  |  |   |  |   |                 | 1.0  |
| 2000  | 1,357  | 59.8  | 10.1  |  | 41   | 50  | 9  | 0  | 59  | 22   | 19  | 1.9             | 0.8  |
| 9 AVG |  | 58.8  | 11.4  | 12.7   |  |   |  |  |   |  |   |                 |      |
| 2001  | 9,196  | 61.0  | 12.2  | 11.8   | 69   | 29  | 2  | 0  | 20  | 51   | 29  | 1.4             | 0.8  |
| 2000  | 16,302   | 59.9  | 11.9  | 11.8   | 39   | 52  |  |  |   |  | 11  | 1.3             | 0.6  |
| 9 AVG | •  | 60.1  | 12.1  | 11.7   |  |   |  |  |   |  |   |                 |      |
|       | 2000 9 AVG 2001 2000 | Year Samples Tested 2001 1/2  2001 1,173 2000 1,270 9 AVG 2001 803 2,244 9 AVG 2001 1,107 2000 4,530 9 AVG 2001 1,346 2000 1,832 9 AVG 2001 1,235 2000 1,648 9 AVG 2001 4 2000 188 9 AVG 2001 64 2000 53 9 AVG 2001 1,183 2000 1,357 9 AVG 2001 9,196 2001 9,196 2001 9,196 2000 16,302 | Year         Samples Tested 2001 1/ Septend 2001 1/ Septend 2001 1/ Septend 2000         Test Weight Weight Septend 2000           2001         1,173         59.5           2000         1,270         57.8           9 AVG         60.2           2001         803         60.7           2000         2,244         60.0           9 AVG         60.5           2001         1,107         61.8           2000         4,530         59.6           9 AVG         60.5           2001         2,281         61.0           2000         3,180         59.3           9 AVG         59.8         59.8           2001         1,346         60.8           2000         1,832         60.9           9 AVG         60.1         60.1           2001         1,648         60.9           9 AVG         59.4           2001         4         61.8           2001         64         59.8           2001         64         59.8           2001         1,183         60.4           2000         1,357         59.8           9 AVG         58.8 | Year         Samples Tested 2001 1/2         Test Weight         Protein 2/2           2001         1,173         59.5         12.7           2000         1,270         57.8         12.9           9AVG         60.2         12.3           2001         803         60.7         12.2           2000         2,244         60.0         12.2           9AVG         60.5         11.9           2001         1,107         61.8         12.9           2000         4,530         59.6         12.8           9AVG         60.5         12.3           2001         2,281         61.0         12.3           2001         2,281         61.0         12.3           2001         1,346         60.8         11.8           2001         1,346         60.8         11.8           2001         1,235         61.6         11.7           2000         1,648         60.9         10.8           9AVG         60.0         12.2           2001         4         61.8         11.4           2000         1,648         60.9         10.8           9AVG         59.4 | Year         Samples Tested 2001 1/ Protein 2/ Protein 2/ Moisture         Protein 2/ Protein 2/ Moisture         Moisture           2001         1,173         59.5         12.7         11.3           2000         1,270         57.8         12.9         11.2           9 AVG         60.2         12.3         11.3           2001         803         60.7         12.2         11.6           2000         2,244         60.0         12.2         11.1           9 AVG         60.5         11.9         11.5           2001         1,107         61.8         12.9         11.0           2000         4,530         59.6         12.8         11.3           9 AVG         60.5         12.3         11.2           2001         2,281         61.0         12.3         12.2           2001         2,281         61.0         12.3         12.2           2001         1,346         60.8         11.8         12.2           2001         1,346         60.8         11.8         12.2           2001         1,648         60.9         10.8         12.3           9 AVG         60.1         12.2         11.8 <td>Year         Samples Tested 2001 1/9         Test Weight Weight         Protein 2/9         Moisture 1           2001         1,173         59.5         12.7         11.3         29           2000         1,270         57.8         12.9         11.2         5           9 AVG         60.2         12.3         11.3         29           2001         803         60.7         12.2         11.6         81           2000         2,244         60.0         12.2         11.1         34           9 AVG         60.5         11.9         11.5         11.5           2001         1,107         61.8         12.9         11.0         86           2000         4,530         59.6         12.8         11.3         25           9 AVG         60.5         12.3         11.2         71           2001         2,281         61.0         12.3         12.2         71           2000         3,180         59.3         12.2         11.7           2001         1,346         60.8         11.8         12.2         78           2001         1,832         60.9         11.9         12.1         88      <t< td=""><td>Year         Samples Tested 2001 1/2         Test Weight 2/2         Protein 2/2         Moisture 2/2         Grade 1           2001         1,173         59.5         12.7         11.3         29         65           2000         1,270         57.8         12.9         11.2         5         49           9AVG         60.2         12.3         11.3         200         81.3         60.7         12.2         11.6         81         18         2000         2,244         60.0         12.2         11.1         34         63         9AVG         60.5         11.9         11.5         11.5         11.5         11.5         11.9         11.5         11.5         11.0         86         13         200         13.3         25         71         200         13.3         25         71         20         34         63         60.5         12.8         11.3         25         71         20         34         63         13         25         71         20         34         63         34         25         71         20         34         25         71         20         34         25         71         26         20         200         3,180         <td< td=""><td>Year         Samples Tested 2001 1/ Protein Tested 2001 1/ Test Weight         Protein 2/ Protein 2/ Protein 2/ Test Weight         Moisture 1 Test Tested 2/ Tested 2</td><td>  Year   Samples   Test   Weight   Protein   Moisture   1   2   All Other   Grades   Zero %    </td><td>Year         Samples Tested 2001 1/9         Test Weight 2/9         Protein 2/9         Moisture 2/9         Grade Grades         Doc Grades         Doc On 1-0.4%           2001         1,173         59.5         12.7         11.3         29         65         6         0         4           2000         1,270         57.8         12.9         11.2         5 49         46         0         7           9AVG         60.2         12.3         11.3         0         1         2         8         1         0         1         3         0         1         3         0         1         3         0         1         3         0         0         7         9         46         0         7         9         9         46         0         7         0         9         9         46         0         7         1         3         0         1         3         0         1         1         3         0         1         1         3         0         1         3         0         1         1         3         0         1         1         3         1         0         1         1         3         1         &lt;</td><td>Year         Samples Tested 2001 1/1         Test Weight 2/1         Protein 2/1         Moisture 2/1         1         2         All Other Grades         Zero % 0.1-0.4% 0.5-0.9%         0.5-0.9%           2001         1,173         59.5         12.7         11.3         29 65 6 0 4 4 53         4         53           2000         1,270         57.8         12.9         11.2         5 49 46 0 7 7 73         73           9AVG         60.2         12.3         11.3         9         60.2         12.3         11.3           2001         803         60.7         12.2         11.6         81 18 1 0 13 46         13 46           2001         2,244         60.0         12.2         11.1         34 63 3 0 11 74         74           9AVG         60.5         11.9         11.5         11.5         11.0         10 17 62         2000 4,530 59.6         12.8 11.3         25 71 4 0 9 9 74         9 9 74           9AVG         60.5         12.3         11.2         12.2         71.26         3 0 28 56         2000 3,180 59.3         12.2 12.3         42 51 7 0 49 49         49           9AVG         59.8         12.2         11.7         20 1 20 3 12.2         12.3         12.2         12.3</td><td>  Year</td><td>  Year</td></td<></td></t<></td> | Year         Samples Tested 2001 1/9         Test Weight Weight         Protein 2/9         Moisture 1           2001         1,173         59.5         12.7         11.3         29           2000         1,270         57.8         12.9         11.2         5           9 AVG         60.2         12.3         11.3         29           2001         803         60.7         12.2         11.6         81           2000         2,244         60.0         12.2         11.1         34           9 AVG         60.5         11.9         11.5         11.5           2001         1,107         61.8         12.9         11.0         86           2000         4,530         59.6         12.8         11.3         25           9 AVG         60.5         12.3         11.2         71           2001         2,281         61.0         12.3         12.2         71           2000         3,180         59.3         12.2         11.7           2001         1,346         60.8         11.8         12.2         78           2001         1,832         60.9         11.9         12.1         88 <t< td=""><td>Year         Samples Tested 2001 1/2         Test Weight 2/2         Protein 2/2         Moisture 2/2         Grade 1           2001         1,173         59.5         12.7         11.3         29         65           2000         1,270         57.8         12.9         11.2         5         49           9AVG         60.2         12.3         11.3         200         81.3         60.7         12.2         11.6         81         18         2000         2,244         60.0         12.2         11.1         34         63         9AVG         60.5         11.9         11.5         11.5         11.5         11.5         11.9         11.5         11.5         11.0         86         13         200         13.3         25         71         200         13.3         25         71         20         34         63         60.5         12.8         11.3         25         71         20         34         63         13         25         71         20         34         63         34         25         71         20         34         25         71         20         34         25         71         26         20         200         3,180         <td< td=""><td>Year         Samples Tested 2001 1/ Protein Tested 2001 1/ Test Weight         Protein 2/ Protein 2/ Protein 2/ Test Weight         Moisture 1 Test Tested 2/ Tested 2</td><td>  Year   Samples   Test   Weight   Protein   Moisture   1   2   All Other   Grades   Zero %    </td><td>Year         Samples Tested 2001 1/9         Test Weight 2/9         Protein 2/9         Moisture 2/9         Grade Grades         Doc Grades         Doc On 1-0.4%           2001         1,173         59.5         12.7         11.3         29         65         6         0         4           2000         1,270         57.8         12.9         11.2         5 49         46         0         7           9AVG         60.2         12.3         11.3         0         1         2         8         1         0         1         3         0         1         3         0         1         3         0         1         3         0         0         7         9         46         0         7         9         9         46         0         7         0         9         9         46         0         7         1         3         0         1         3         0         1         1         3         0         1         1         3         0         1         3         0         1         1         3         0         1         1         3         1         0         1         1         3         1         &lt;</td><td>Year         Samples Tested 2001 1/1         Test Weight 2/1         Protein 2/1         Moisture 2/1         1         2         All Other Grades         Zero % 0.1-0.4% 0.5-0.9%         0.5-0.9%           2001         1,173         59.5         12.7         11.3         29 65 6 0 4 4 53         4         53           2000         1,270         57.8         12.9         11.2         5 49 46 0 7 7 73         73           9AVG         60.2         12.3         11.3         9         60.2         12.3         11.3           2001         803         60.7         12.2         11.6         81 18 1 0 13 46         13 46           2001         2,244         60.0         12.2         11.1         34 63 3 0 11 74         74           9AVG         60.5         11.9         11.5         11.5         11.0         10 17 62         2000 4,530 59.6         12.8 11.3         25 71 4 0 9 9 74         9 9 74           9AVG         60.5         12.3         11.2         12.2         71.26         3 0 28 56         2000 3,180 59.3         12.2 12.3         42 51 7 0 49 49         49           9AVG         59.8         12.2         11.7         20 1 20 3 12.2         12.3         12.2         12.3</td><td>  Year</td><td>  Year</td></td<></td></t<> | Year         Samples Tested 2001 1/2         Test Weight 2/2         Protein 2/2         Moisture 2/2         Grade 1           2001         1,173         59.5         12.7         11.3         29         65           2000         1,270         57.8         12.9         11.2         5         49           9AVG         60.2         12.3         11.3         200         81.3         60.7         12.2         11.6         81         18         2000         2,244         60.0         12.2         11.1         34         63         9AVG         60.5         11.9         11.5         11.5         11.5         11.5         11.9         11.5         11.5         11.0         86         13         200         13.3         25         71         200         13.3         25         71         20         34         63         60.5         12.8         11.3         25         71         20         34         63         13         25         71         20         34         63         34         25         71         20         34         25         71         20         34         25         71         26         20         200         3,180 <td< td=""><td>Year         Samples Tested 2001 1/ Protein Tested 2001 1/ Test Weight         Protein 2/ Protein 2/ Protein 2/ Test Weight         Moisture 1 Test Tested 2/ Tested 2</td><td>  Year   Samples   Test   Weight   Protein   Moisture   1   2   All Other   Grades   Zero %    </td><td>Year         Samples Tested 2001 1/9         Test Weight 2/9         Protein 2/9         Moisture 2/9         Grade Grades         Doc Grades         Doc On 1-0.4%           2001         1,173         59.5         12.7         11.3         29         65         6         0         4           2000         1,270         57.8         12.9         11.2         5 49         46         0         7           9AVG         60.2         12.3         11.3         0         1         2         8         1         0         1         3         0         1         3         0         1         3         0         1         3         0         0         7         9         46         0         7         9         9         46         0         7         0         9         9         46         0         7         1         3         0         1         3         0         1         1         3         0         1         1         3         0         1         3         0         1         1         3         0         1         1         3         1         0         1         1         3         1         &lt;</td><td>Year         Samples Tested 2001 1/1         Test Weight 2/1         Protein 2/1         Moisture 2/1         1         2         All Other Grades         Zero % 0.1-0.4% 0.5-0.9%         0.5-0.9%           2001         1,173         59.5         12.7         11.3         29 65 6 0 4 4 53         4         53           2000         1,270         57.8         12.9         11.2         5 49 46 0 7 7 73         73           9AVG         60.2         12.3         11.3         9         60.2         12.3         11.3           2001         803         60.7         12.2         11.6         81 18 1 0 13 46         13 46           2001         2,244         60.0         12.2         11.1         34 63 3 0 11 74         74           9AVG         60.5         11.9         11.5         11.5         11.0         10 17 62         2000 4,530 59.6         12.8 11.3         25 71 4 0 9 9 74         9 9 74           9AVG         60.5         12.3         11.2         12.2         71.26         3 0 28 56         2000 3,180 59.3         12.2 12.3         42 51 7 0 49 49         49           9AVG         59.8         12.2         11.7         20 1 20 3 12.2         12.3         12.2         12.3</td><td>  Year</td><td>  Year</td></td<> | Year         Samples Tested 2001 1/ Protein Tested 2001 1/ Test Weight         Protein 2/ Protein 2/ Protein 2/ Test Weight         Moisture 1 Test Tested 2/ Tested 2 | Year   Samples   Test   Weight   Protein   Moisture   1   2   All Other   Grades   Zero % | Year         Samples Tested 2001 1/9         Test Weight 2/9         Protein 2/9         Moisture 2/9         Grade Grades         Doc Grades         Doc On 1-0.4%           2001         1,173         59.5         12.7         11.3         29         65         6         0         4           2000         1,270         57.8         12.9         11.2         5 49         46         0         7           9AVG         60.2         12.3         11.3         0         1         2         8         1         0         1         3         0         1         3         0         1         3         0         1         3         0         0         7         9         46         0         7         9         9         46         0         7         0         9         9         46         0         7         1         3         0         1         3         0         1         1         3         0         1         1         3         0         1         3         0         1         1         3         0         1         1         3         1         0         1         1         3         1         < | Year         Samples Tested 2001 1/1         Test Weight 2/1         Protein 2/1         Moisture 2/1         1         2         All Other Grades         Zero % 0.1-0.4% 0.5-0.9%         0.5-0.9%           2001         1,173         59.5         12.7         11.3         29 65 6 0 4 4 53         4         53           2000         1,270         57.8         12.9         11.2         5 49 46 0 7 7 73         73           9AVG         60.2         12.3         11.3         9         60.2         12.3         11.3           2001         803         60.7         12.2         11.6         81 18 1 0 13 46         13 46           2001         2,244         60.0         12.2         11.1         34 63 3 0 11 74         74           9AVG         60.5         11.9         11.5         11.5         11.0         10 17 62         2000 4,530 59.6         12.8 11.3         25 71 4 0 9 9 74         9 9 74           9AVG         60.5         12.3         11.2         12.2         71.26         3 0 28 56         2000 3,180 59.3         12.2 12.3         42 51 7 0 49 49         49           9AVG         59.8         12.2         11.7         20 1 20 3 12.2         12.3         12.2         12.3 | Year            | Year |

<sup>1/</sup>Samples tested represent data from inspection certificates of railroad cars (truckloads are converted to carlot equivalents). Summarized data includes old crop and new crop wheat moving from first point of sale and inspected by the Kansas Grain Inspection Service, Inc. 2/ Protein content is on a 12% moisture basis.

Dave Ranek and Quentin Wearne Agricultural Statisticians

Eldon J. Thiessen, State Statistician Eddie Wells, Deputy State Statistician